



Adventure Description:

In this adventure, students will think like a chemist and create a YouTube video to teach families how to make slime for Thanksgiving!

Activity

Step One: Background Information on Chemists, Thanksgiving, and Slime (5-10 minutes)

- Explain to students that chemists study what happens when different chemicals mix or combine.
- Next, explain to students that chemists often create household items to help teach people about reactions between different ingredients, called chemical reactions. These chemical reactions often give rise to cool things, like elephant toothpaste. Show [Handout: Elephant Toothpaste](#).
- Tell students that chemists like to create holiday activities for families, like fake snow. Many of these activities are posted on YouTube, where people can learn to do all sorts of cool stuff, from creating a catapult to launch shaving cream at your siblings, to making fake snow to decorate with.
- Explain to students that Thanksgiving is coming up and chemists want to create a fun activity that families can do together at home over Thanksgiving Break.
- Explain to students that they will think like a chemist and create Thanksgiving slime, then create a How-To YouTube video to explain how to make Thanksgiving slime.

Step Two: Making Slime (15 minutes)

- Explain to students that they will first create their slime that will be featured in the YouTube video.
- Divide students into pairs or small groups.
- Provide students with [Handout: Thanksgiving Slime Video](#). Walk through the steps together as a class.
- Provide students with the following materials:
 - 2/3 Cup White Elmer's Glue
 - 1/2 teaspoon Baking Soda
 - 1/4 Cup Water
 - 2-3 Cups Shaving Cream
 - 1.5 tablespoons Contact Lens Solution
 - Liquid Food Coloring (Yellow, Orange, Red)
 - Measuring cups and spoons

Please contact Allison Bischoff, Director of Teacher Support, at allison@rozzylearningcompany.com or 314-272-2560 with questions.

Chemist: Making Thanksgiving Slime

- Mixing Bowl
- Wooden spoon or other mixing tool
- Have students follow the procedure for making slime under Step 1 on the handout.

Step Three: Writing a How-To YouTube Video Script (15 minutes)

- Explain to students that they will now write the script for their How-To video.
- Have students complete Step 2 on the handout.
- As students are working, ask the following:
 - What does your audience need to understand about how to create slime?
 - What happens if they include too little or too much of an ingredient?
- Teacher Note: Students can practice their script if they finish before other students.

Step Four: Recording a How-To YouTube Video (10 minutes)

- Explain to students that they will now record their YouTube videos.
- Provide students with a smartphone, tablet, or other recording device so that they can record their videos.
- Have students complete Step 3 on the handout.
- Teacher Note: We suggest creating a private YouTube channel so family members and students from the classes can watch the videos. You can also host a “viewing party” so students from other classes can come with the videos in your classroom!

Step Five: Discussion (5 minutes)

- Have students show their slime and discuss their favorite parts of their YouTube videos. Have a “viewing party” and watch each group’s video together as a class.
- Have a concluding class discussion about how chemists research and perform experiments to determine how different ingredients will react when they are added together. These chemical reactions help them create fun activities for families, and how-to videos!

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Chemist: Making Thanksgiving Slime

Materials List

Provided online:

- Handout: Elephant Toothpaste
- Handout: Thanksgiving Slime Video

Not provided (Each group needs):

- 2/3 Cup White Elmer's Glue
- 1/2 teaspoon Baking Soda
- 1/4 Cup Water
- 2-3 Cups Shaving Cream
- 1.5 tablespoons Contact Lens Solution *Important: your brand of contact lens solution must have boric acid and sodium borate in the ingredient list.
- Liquid Food Coloring (Yellow, Orange, Red)
- Baby oil for hands
- Measuring cups and spoons
- Mixing Bowl
- Wooden Spoon or other mixing tool

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